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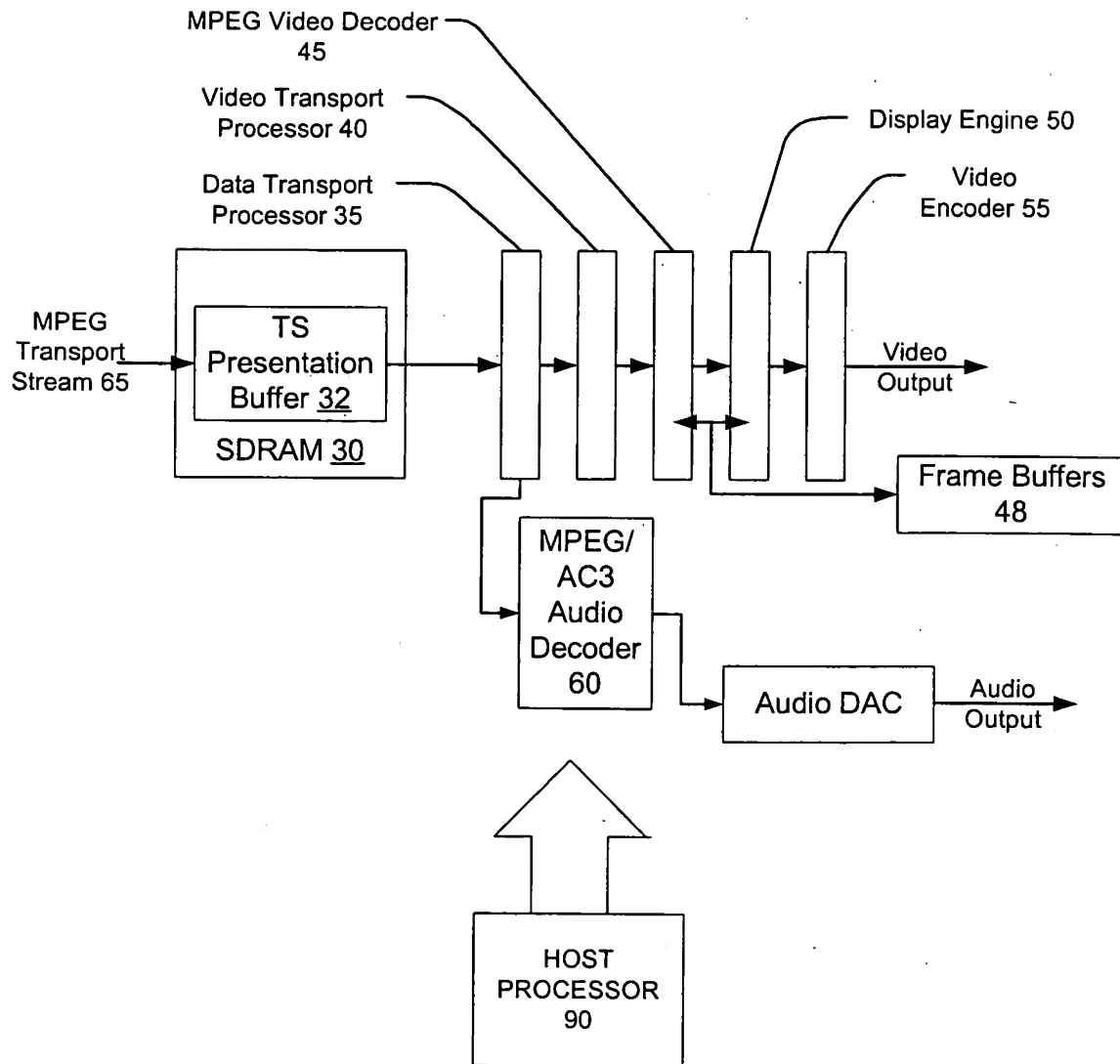


FIG. 1

100 (0)	$Y_0Cr_0Cb_0$	$Y_1$	$Y_2Cr_1Cb_1$	$Y_3$	$Y_4Cr_2Cb_2$	$Y_5$	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	$Y_x$
100 (1)	$Y_0Cr_0Cb_0$	$Y_1$	$Y_2Cr_1Cb_1$	$Y_3$	$Y_4Cr_2Cb_2$	$Y_5$	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	$Y_x$
100 (2)	$Y_0Cr_0Cb_0$	$Y_1$	$Y_2Cr_1Cb_1$	$Y_3$	$Y_4Cr_2Cb_2$	$Y_5$	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	$Y_x$
100 (3)	$Y_0Cr_0Cb_0$	$Y_1$	$Y_2Cr_1Cb_1$	$Y_3$	$Y_4Cr_2Cb_2$	$Y_5$	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	$Y_x$
:									
:									
100 (N)	$Y_0Cr_0Cb_0$	$Y_1$	$Y_2Cr_1Cb_1$	$Y_3$	$Y_4Cr_2Cb_2$	$Y_5$	...	$Y_{x-1}Cr_{(x-1)/2}Cb_{(x-1)/2}$	$Y_x$

FIGURE 2

48Y(0)	$Y_0, Y_1, Y_2, \dots, Y_{15}$
48Y(1)	$Y_{16}, Y_{17}, Y_{18}, \dots, Y_{31}$
:	
48Y(i)	$Y_{16i}, Y_{16i+1}, Y_{16i+2}, \dots, Y_{16i+15}$
:	

48Y

48C(0)	$Cb_0Cb_1, Cr_0Cr_1, \dots, Cr_6Cr_7$
48C(0)	$Cb_8Cb_9, Cr_8Cr_9, \dots, Cr_{14}Cr_{15}$
:	
48C(i)	$Cb_{8i}Cb_{8i+1}, Cr_{8i}Cr_{8i+1}, \dots, Cr_{8i+6}Cr_{8i+7}$
:	

48C

FIGURE 3A

$$U_i \Rightarrow \boxed{Y_{2i}Cr_i \ Y_{2i+1}Cb_i}$$

48(0)	$U_0, U_1, U_2, U_3$
48(1)	$U_4, U_5, U_6, U_7$
48(2)	$U_8, U_9, U_{10}, U_{11}$
:	
48(i)	$U_{4i}, U_{4i+1}, U_{4i+2}, U_{4i+3}$

**FIGURE 3B**

48Y(0)	$Y_0, Y_1, Y_2, \dots, Y_{15}$
48Y(1)	$Y_{16}, Y_{17}, Y_{18}, \dots, Y_{31}$
:	
48Y(i)	$Y_{16i}, Y_{16i+1}, Y_{16i+2}, \dots, Y_{16i+15}$
:	

48Y

48R(0)	$Cr, Cr, \dots, Cr$
:	
48R(i)	$Cr, Cr, \dots, Cr$
:	

48CR

48R(0)	$Cb, Cb, \dots, Cb$
:	
48R(i)	$Cb, Cb, \dots, Cb$
:	

48CB

**FIGURE 3C**

b <sub>127...120</sub>	b <sub>119...112</sub>	b <sub>111...104</sub>	b <sub>103...96</sub>	b <sub>95...88</sub>	b <sub>87...80</sub>	b <sub>79...72</sub>	b <sub>71...64</sub>	b <sub>63...56</sub>	b <sub>55...48</sub>	b <sub>47...40</sub>	b <sub>39...32</sub>	b <sub>31...24</sub>	b <sub>23...16</sub>	b <sub>15...8</sub>	b <sub>7...0</sub>
Cb <sub>0</sub>	Y <sub>0</sub>	Cr <sub>0</sub>	Y <sub>1</sub>	Cb <sub>1</sub>	Y <sub>2</sub>	Cr <sub>1</sub>	Y <sub>3</sub>	Cb <sub>2</sub>	Y <sub>4</sub>	Cr <sub>2</sub>	Y <sub>5</sub>	Cb <sub>3</sub>	Y <sub>6</sub>	Cr <sub>3</sub>	Y <sub>7</sub>
U <sub>4i</sub>			U <sub>4i+1</sub>				U <sub>4i+2</sub>								U <sub>4i+3</sub>

FIGURE 4A

b <sub>127...120</sub>	b <sub>119...112</sub>	b <sub>111...104</sub>	b <sub>103...96</sub>	b <sub>95...88</sub>	b <sub>87...80</sub>	b <sub>79...72</sub>	b <sub>71...64</sub>	b <sub>63...56</sub>	b <sub>55...48</sub>	b <sub>47...40</sub>	b <sub>39...32</sub>	b <sub>31...24</sub>	b <sub>23...16</sub>	b <sub>15...8</sub>	b <sub>7...0</sub>
Y <sub>1</sub>	Cr <sub>0</sub>	Y <sub>0</sub>	Cb <sub>0</sub>	Y <sub>3</sub>	Cr <sub>1</sub>	Y <sub>2</sub>	Cb <sub>1</sub>	Y <sub>5</sub>	Cr <sub>2</sub>	Y <sub>4</sub>	Cb <sub>2</sub>	Y <sub>7</sub>	Cr <sub>3</sub>	Y <sub>6</sub>	Cb <sub>3</sub>
U <sub>4i</sub>			U <sub>4i+1</sub>				U <sub>4i+2</sub>								U <sub>4i+3</sub>

FIGURE 4B

$b_{127...120}$	$b_{119...112}$	$b_{111...104}$	$b_{103...96}$	$b_{95...88}$	$b_{87...80}$	$b_{79...72}$	$b_{71...64}$	$b_{63...56}$	$b_{55...48}$	$b_{47...40}$	$b_{39...32}$	$b_{31...24}$	$b_{23...16}$	$b_{15...8}$	$b_{7...0}$
$Y_{16i}$	$Y_{16i+1}$	$Y_{16i+2}$	$Y_{16i+3}$	$Y_{16i+4}$	$Y_{16i+5}$	$Y_{16i+6}$	$Y_{16i+7}$	$Y_{16i+8}$	$Y_{16i+9}$	$Y_{16i+10}$	$Y_{16i+11}$	$Y_{16i+12}$	$Y_{16i+13}$	$Y_{16i+14}$	$Y_{16i+15}$
$U_{4i}$				$U_{4i+1}$				$U_{4i+2}$				$U_{4i+3}$			

FIGURE 5A

FIG. 6

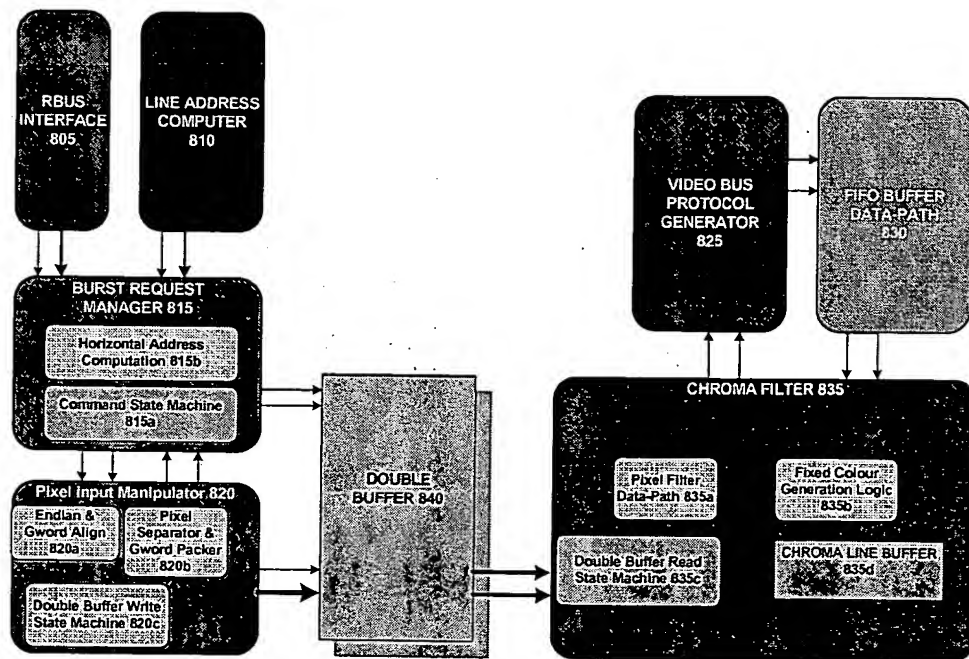
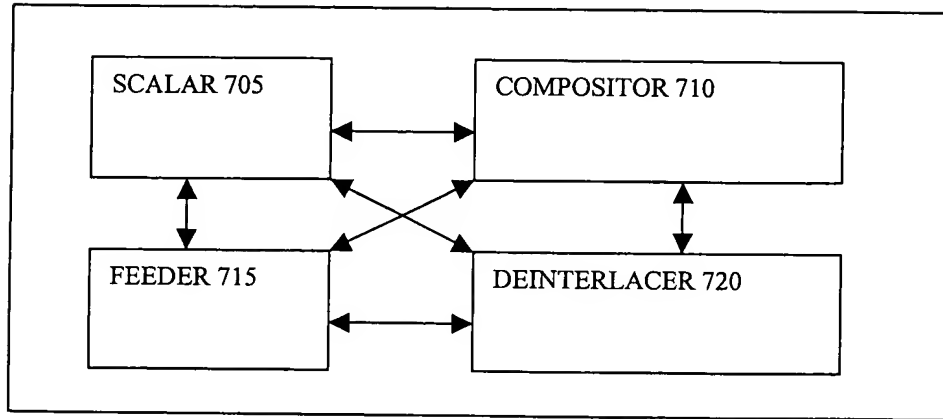


FIGURE 7

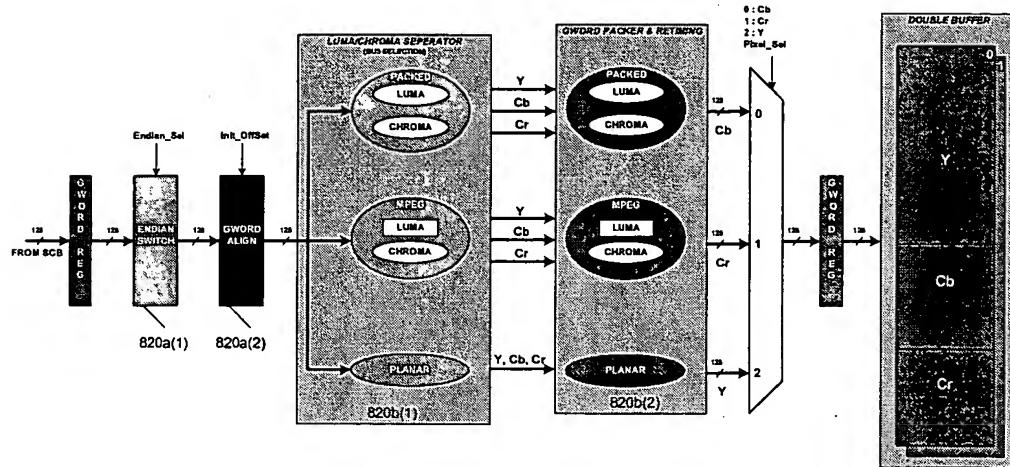


FIGURE 8

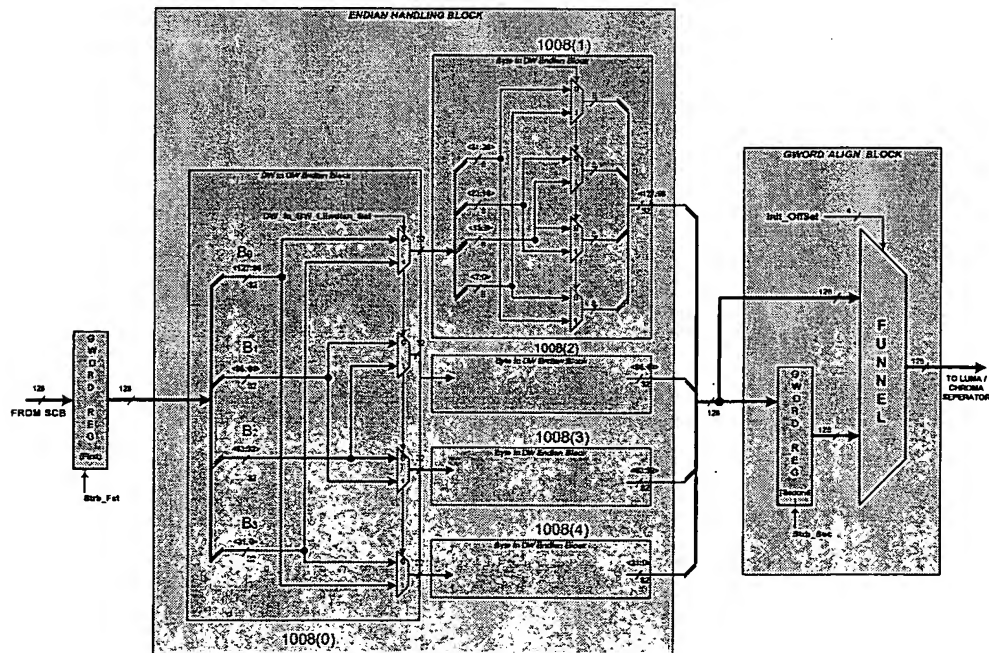


FIGURE 9



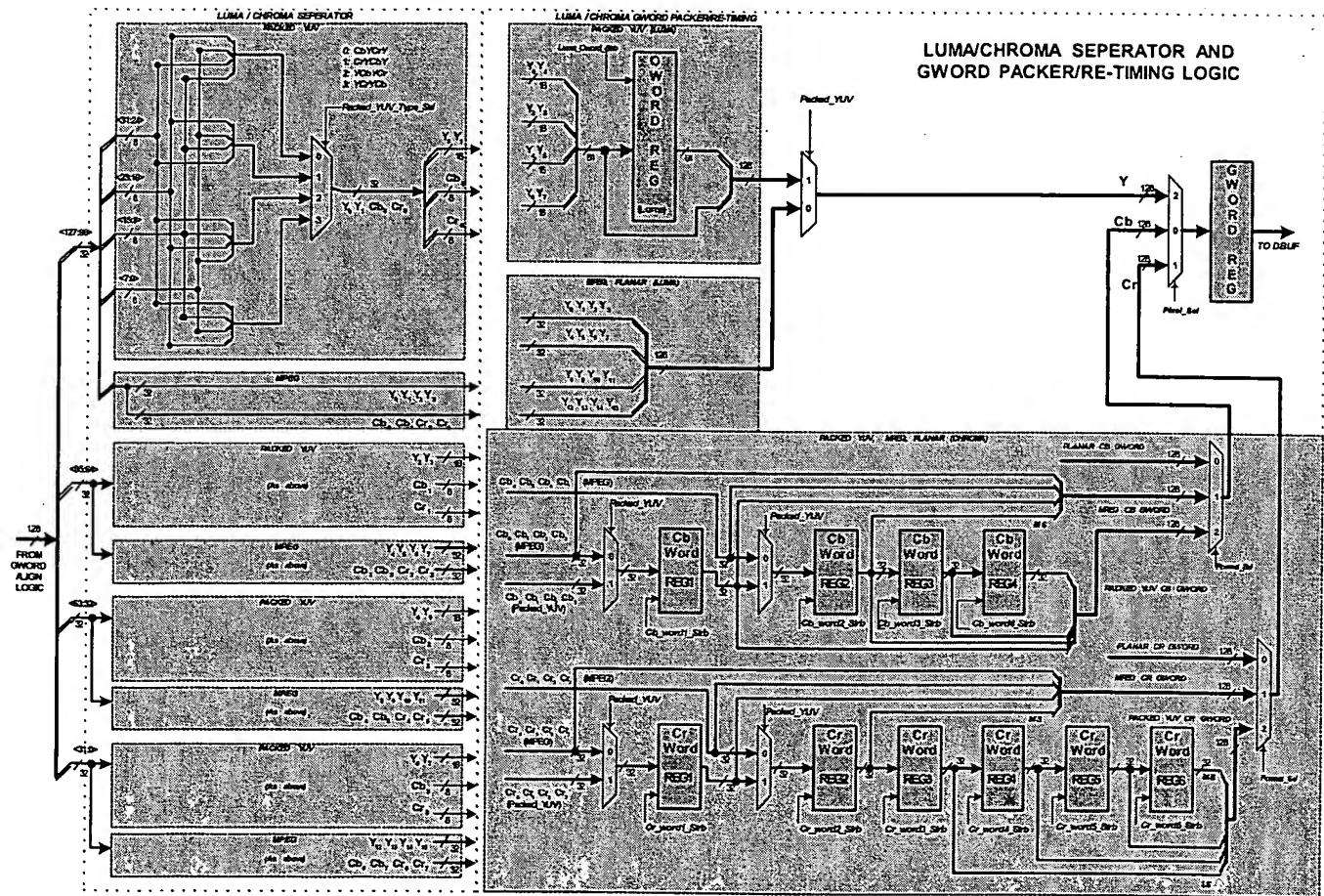


FIGURE 10